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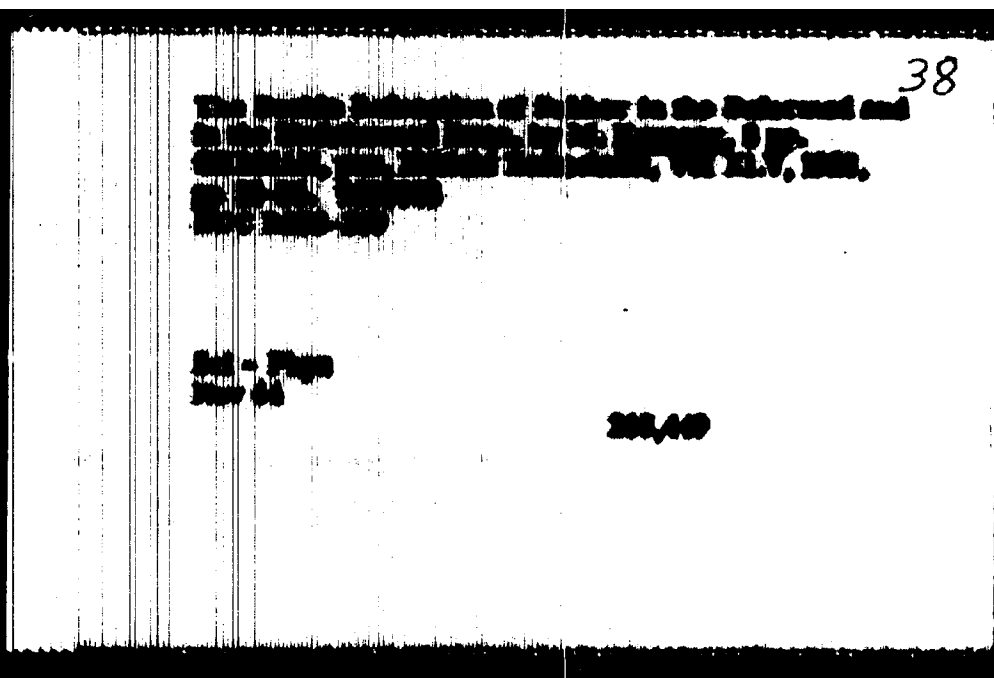
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is carried out in a continuous way by taking continu-
ously the catalyst from reaction vessel; by reoxidiz-
ing outside the reaction vessel the catalyst having a
decreased oxygen content, then by reintroducing them
in a continuous way into the reaction vessel and that
10-100 parts by weight of catalyst/part of gaseous hy-
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Trans. of [Zeitschrift für] Naturforsch[ung] (West
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Fluorescence and absorption spectra have been observed
 in a glow discharge containing benzene and its homo-
 logues. The technique of Schüller was used. A number
 of observations is reported of which two are empha-
 sized: The quantitative ratios of the break-down prod-
 ucts and especially the building up of higher homologues
 such as toluene from benzene, ethylbenzene from
 toluene. (Author)

(Chemistry-Organic, TT, v. 5, no. 7)

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*Hydrocarbons, Oxidation.

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- III. Title: Oxidation...
- IV. ATS-72NSOG
- V. Associated Technical
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East Orange, N. J.

Office of Technical Services

(Materials--Lubricants, TT, v. 6, no. 4)

TT-63-20707

I. Krüger, C.
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DESCRIPTORS: *Combustion, *Fuels, Liquids,
*Hydrocarbons. Density, Refractive index, Combustion
deposits, Heat transfer, Transition temperature,
Hydrogen.

(Chemistry--Physical, TT, v. 11, no. 4)

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SLA 77-64-00777

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SIA 57-2297

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May 60

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CSIRO-3108

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IBSDOC-T1383

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Dec. 1959
Oct 61

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INSDOC/T 4402.

Sci
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Kroger, C. and Bell, W.

PEROXIDE FORMATION IN POTASSIUM HYDROXIDE

16 June 60, Sp. (Info omitted) 10 refs

Order from NSA 11, 10

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Trans. of E. (Inscribed for) Amalgamated (Inscribed)
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DESCRIPTION: *Peroxide formation; *Potassium compounds.

The peroxide compound resulting from the action of oxygen on potassium hydroxide is formed according to the reaction $2\text{KOH} + 1/2\text{O}_2 \rightarrow \text{K}_2\text{O}_2 + \text{H}_2\text{O}$. The reaction was investigated along with the simultaneous formation of water; it begins at about 200° and attains a maximum with about 70 percent conversion at 400°.

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pounds, *Carbon, *Graphite, Pressure, Catalysts,
Chemical reactions, Chemical equilibrium, Coal,
Coke.

(Chemistry--Inorganic, TT, v. 10, no. 3)

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DESCRIPTORS: *Glass, Melting. *Thermal conductivity,
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Trans. of Norwegian patent 85, 376, cl. 78e-5 appl. 18 July 52, granted 14 Dec 54, valid from 17 Feb 55, pub. 18 Apr 55

The charge or element is provided with passages the number, length and cross-sectional area of which depend upon the size and shape of the charge in order to increase the charge total transformation velocity and detonating power. The passage cross-sectional area varies step-by-step, continuously in a suitable manner along the longitudinal direction thereof

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